

ABSTRACT OF DISCLOSURE

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The invention comprises a polymerizable monomer composition for application to the nail surface and polymerization thereon to yield an artificial-nail structure, comprising at least one multicarbonyl-vinyl containing monomer; a polymerized artificial nail structure having a thickness of about 10-60 mils, and a modulus of elasticity of about 550-800 N/m², comprising a copolymer of at least one ethylenically unsaturated monomer and a multicarbonyl vinyl-containing monomer; a method for reducing, ameliorating, or eliminating delamination of an artificial nail structure from the natural nail surface; a method for improving adhesion of an artificial nail structure to the nail surface; and a method for reducing premature gelation of a liquid monomer composition.

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